Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/17/2021 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124225	-1	2.00	124162	1.92
Blue	F	SSC	125000	125934	0	2.65	126403	2.50
Blue	E	FITC	14284	13827	-4	2.80	386	13.68
Blue	D	PE	23919	23252	-3	2.38	552	10.73
Blue	B	PerCP-Cy5-5	31332	30639	-3	3.45	876	15.21
Blue	A	PE-Cy7	22272	21858	-2	5.27	453	30.77
Red	C	APC	47768	46979	-2	2.69	1613	11.70
Red	A	APC-Cy7	25313	24335	-4	3.01	687	12.66
Violet	B	V450	7085	6725	-6	3.37	468	11.25
Violet	A	V500	26969	26128	-4	2.94	894	8.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23746	4.03	582	-7	N/A	N/A	Pass
Blue	F	SSC	56446	2.35	522	1	N/A	N/A	Pass
Blue	E	FITC	58	54.24	492	-9	0.0424	55	Pass
Blue	D	PE	107	39.54	488	-9	0.3932	291	Pass
Blue	B	PerCP-Cy5-5	138	41.27	578	-10	0.0190	42	Pass
Blue	A	PE-Cy7	78	78.17	624	-11	0.0220	0	Pass
Red	C	APC	336	26.96	579	-1	0.0274	227	Pass
Red	A	APC-Cy7	128	35.30	552	-3	0.0059	1136	Pass
Violet	B	V450	80	46.21	457	-6	0.0583	2277	Pass
Violet	A	V500	106	31.98	469	-5	0.0254	1076	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.95	-31.60	1.05
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.91	13.60 - 20.40	N/A	N/A	30.02	30.26	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 15565

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments